

REMARKS

Claim 89 and 90 are pending in the subject application. By this Response, claim 89 is amended. Care has been exercised to avoid the introduction of new matter.

Inventorship

The inventorship of pending claims 89 and 90 resides with Frank Davis. This is the same inventor as for the allowed claims of the parent application, which were directed to a method having a breadth similar to that of the apparatus claims of the present application. The documents that requested the now-generated change in inventorship for the parent application were also submitted for the present application so that there would be question regarding Mr. Davis's inventorship of the pending claims of the present case.

Support for Claimed Subject Matter


Responsive to the objection raised by the Examiner in the Office Action of March 27, 2001, claim 89 is amended to remove the language that the Examiner found objectionable.

CONCLUSION

Based upon the aforementioned comments and amendments, it is respectfully submitted that all claims now comply with the regulations of the U.S. Patent and Trademark Office, and that this application is now in condition for allowance. Favorable reconsideration is respectfully requested.

Should the Examiner have any comments, questions or suggestions, or should issues remain, the Examiner is respectfully requested to call the undersigned for prompt resolution.

Respectfully submitted,
LEV INTELLECTUAL PROPERTY CONSULTING


Robert G. Lev
Reg. No. 30,280

4766 Michigan Boulevard
Youngstown, Ohio 44505
Telephone No. (330) 759-1423
Facsimile No. (330) 759-4865

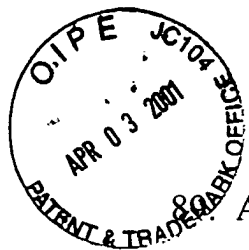
Date : April 3, 2001

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NAME Robert G. Lev

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A device for converting image data into a holographic pattern formed from a plurality of discrete holograms each constituting a holographic pixel and having diffraction gratings, said device comprising :

(a) means for converting said image data into digital form having a plurality of digital data characteristics;

(b) an optical system arranged for manipulating a laser beam according to said digital data characteristics by splitting said laser beam into a reference beam and at least one object beam;

(c) ^{means} a motivator arranged for irradiating a ^{profitable} photosensitive surface with said reference beam and at least one object beam to sequentially form each of said holograms as a holographic pixel, each of said holographic pixels having a distinct interference pattern, said interference pattern of each said holographic pixel having characteristics of a corresponding discrete portion of said image data.

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